Miguel LÃ³pez-DÃaz

List of Publications by Year
in descending order

51 papers	746 citations	759190 12 h-index	526264 27 g-index
53 all docs	53 docs citations	53 times ranked	270 citing authors

#	ARTICLE	IF	CITATIONS
1	A stochastic order for interval valued random mappings and applications. Applied Mathematical Modelling, 2022, 107, 429-440.	4.2	1
2	Directional Stochastic Orders with an Application to Financial Mathematics. Mathematics, 2021, 9, 380.	2.2	0
3	A criterion for the comparison of binary classifiers based on a stochastic dominance with an application to the sale of home insurances. Scandinavian Actuarial Journal, 2019, 2019, 453-477.	1.7	1
4	Stochastic orders to approach investments in condor financial derivatives. Test, 2018, 27, 122-146.	1.1	0
5	Control charts based on parameter depths. Applied Mathematical Modelling, 2018, 53, 487-509.	4.2	6
6	A stochastic order for the analysis of investments affected by the time value of money. Insurance: Mathematics and Economics, 2018, 83, 75-82.	1.2	3
7	A stochastic comparison of customer classifiers with an application to customer attrition in commercial banking. Scandinavian Actuarial Journal, 2017, 2017, 606-627.	1.7	6
8	On the uniform consistency of the zonoid depth. Journal of Multivariate Analysis, 2016, 143, 394-397.	1.0	9
9	Methods and Algorithms to Test the Hausdorff and Simplex Dispersion Orders with an R Package. Methodology and Computing in Applied Probability, 2015, 17, 661-675.	1.2	1
10	Strong consistency and rates of convergence for a random estimator of a fuzzy set. Computational Statistics and Data Analysis, 2014, 77, 130-145.	1.2	1
11	Ranking Star-Shaped Valued Mappings with Respect to Shape Variability. Journal of Mathematical Imaging and Vision, 2014, 48, 1-12.	1.3	3
12	A note on the family of extremality stochastic orders. Insurance: Mathematics and Economics, 2013, 53, 230-236.	1.2	3
13	Studying hypertension in ocular fundus images using Hausdorff dispersion ordering. Mathematical Medicine and Biology, 2012, 29, 131-143.	1.2	2
14	When is an integral stochastic order generated by a poset?. Journal of Inequalities and Applications, 2012, 2012, .	1.1	3
15	On the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml... between a probability distribution and its distortion. Insurance: Mathematics and Economics, 2012, 51, 257-264.	1.2	16
16	Trimmed regions induced by parameters of a probability. Journal of Multivariate Analysis, 2012, 107, 306-318.	1.0	3
17	Testing usability of a user interface in an embedded device for ELISA plate analysis. Computers and Electronics in Agriculture, 2011, 76, 325-330.	7.7	0
18	A test for the bidirectional stochastic order with an application to quality control theory. Applied Mathematics and Computation, 2011, 217, 7762-7771.	2.2	1

#	Article	IF	Citations
19	A new family of dispersive orderings. Metrika, 2010, 71, 203-217.	0.8	2
20	Some remarks on dispersion orderings. Statistics and Probability Letters, 2010, 80, 413-420.	0.7	1
21	A Stochastic Order of Shape Variability with an Application toÂCell Nuclei Involved in Mastitis. Journal of Mathematical Imaging and Vision, 2010, 38, 95-107.	1.3	3
22	An indexed dispersion criterion for testing the sex-biased dispersal of lek mating behavior of capercaillies. Environmental and Ecological Statistics, 2010, 17, 283-301.	3.5	5
23	A STOCHASTIC ORDERING FOR RANDOM VARIABLES WITH APPLICATIONS. Australian and New Zealand Journal of Statistics, 2010, 52, 1-16.	0.9	7
24	Different Models with Fuzzy Random Variables in Single-Stage Decision Problems. Communications in Computer and Information Science, 2010, , 298-305.	0.5	0
25	The simplex dispersion ordering and its application to the evaluation of human corneal endothelia. Journal of Multivariate Analysis, 2009, 100, 1447-1464.	1.0	4
26	A new framework for the Bayesian analysis of single-stage decision problems with imprecise utilities. Fuzzy Sets and Systems, 2008, 159, 3271-3280.	2.7	2
27	On the Proximity of a Probability to a Capacity Functional: Proximity Functions. Stochastic Models, 2008, 24, 264-287.	0.5	5
28	Consistency of the $α$-trimming of a probability. Applications to central regions. Bernoulli, 2008, 14, .	1.3	4
29	On the exchange of iterated expectations of random upper semicontinuous functions. Statistics and Probability Letters, 2007, 77, 1628-1635.	0.7	3
30	Influence diagrams with super value nodes involving imprecise information. European Journal of Operational Research, 2007, 179, 203-219.	5.7	12
31	Tools for fuzzy random variables: Embeddings and measurabilities. Computational Statistics and Data Analysis, 2006, 51, 109-114.	1.2	13
32	Overview on the development of fuzzy random variables. Fuzzy Sets and Systems, 2006, 157, 2546-2557.	2.7	196
33	An indexed multivariate dispersion ordering based on the Hausdorff distance. Journal of Multivariate Analysis, 2006, 97, 1623-1637.	1.0	5
34	Integral trimmed regions. Journal of Multivariate Analysis, 2005, 96, 404-424.	1.0	7
35	Solving influence diagrams with fuzzy chance and value nodes. European Journal of Operational Research, 2005, 167, 444-460.	5.7	23
36	A random approximation of set valued cÃdlÃg functions. Journal of Mathematical Analysis and Applications, 2004, 298, 352-362.	1.0	1

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37	Convergence criteria for interval-valued inequality indices. Statistics, 2004, 38, 59-66.	0.6	0
38	Differentiating random upper semicontinuous functions under the integral sign. Test, 2003, 12, 241-258.	1.1	4
39	The s-differentiability of a fuzzy-valued mapping. Information Sciences, 2003, 151, 283-299.	6.9	9
40	Hukuhara derivative of the fuzzy expected value. Fuzzy Sets and Systems, 2003, 138, 593-600.	2.7	7
41	A $D_E[0,1]$ representation of random upper semicontinuous functions. Proceedings of the American Mathematical Society, 2002, 130, 3237-3242.	0.8	103
42	A method to derive strong laws of large numbers for random upper semicontinuous functions. Statistics and Probability Letters, 2001, 53, 269-275.	0.7	13
43	Approximation of Mappings with Values Which Are Upper Semicontinuous Functions. Journal of Approximation Theory, 2001, 113, 245-265.	0.8	4
44	On the formalization of fuzzy random variables. Information Sciences, 2001, 133, 3-6.	6.9	72
45	On Bernstein approximants and the Ï•-variation of a fuzzy random variable. Information Sciences, 2001, 133, 39-67.	6.9	2
46	Approximating integrably bounded fuzzy random variables in terms of the â€œgeneralizedâ€•Hausdorff metric. Information Sciences, 1998, 104, 279-291.	6.9	17
47	The fuzzy hyperbolic inequality index associated with fuzzy random variables. European Journal of Operational Research, 1998, 110, 377-391.	5.7	10
48	The Î»-average value and the fuzzy expectation of a fuzzy random variable. Fuzzy Sets and Systems, 1998, 99, 347-352.	2.7	44
49	An improvement of a comparison of experiments in statistical decision problems with fuzzy utilities. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1998, 28, 856-864.	2.9	8
50	Constructive definitions of fuzzy random variables. Statistics and Probability Letters, 1997, 36, 135-143.	0.7	57
51	Fundamentals and Bayesian analyses of decision problems with fuzzy-valued utilities. International Journal of Approximate Reasoning, 1996, 15, 203-224.	3.3	41